A88-1
2/9/89

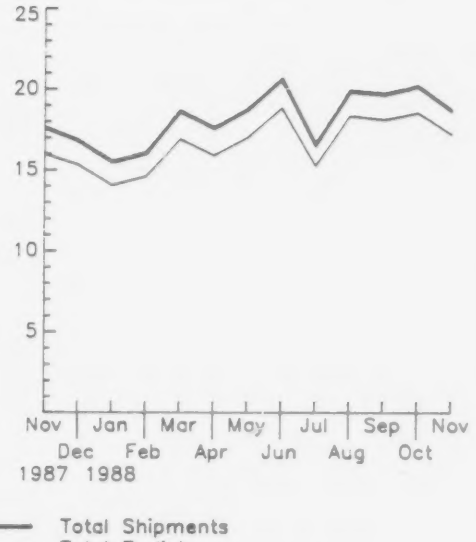
RMA Industry Report

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

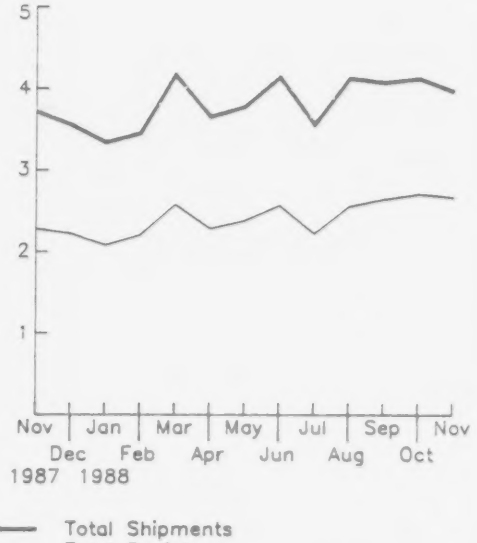
MONTHLY TIRE REPORT — NOVEMBER 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

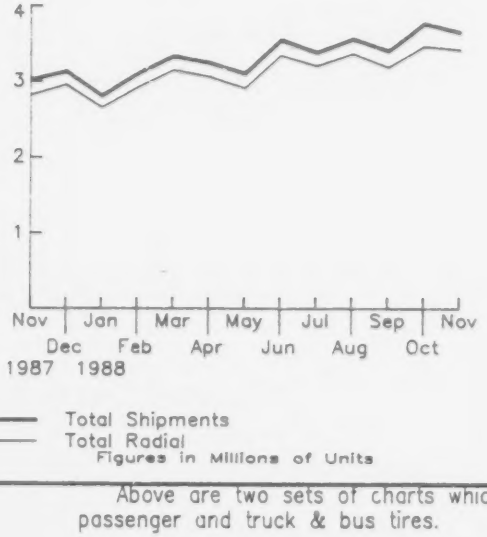
PASSENGER TIRE SHIPMENTS



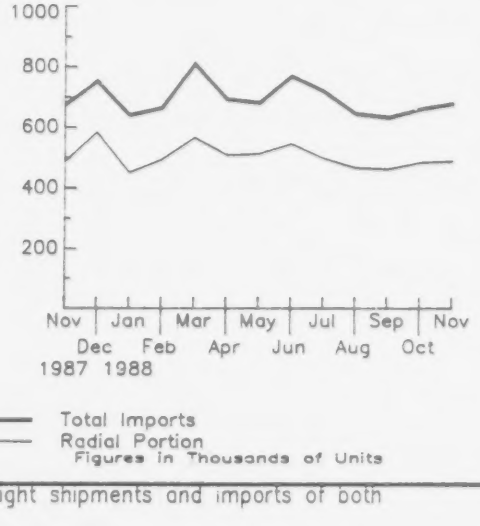
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. November 1988 total shipments are up 6.1% from November 1987 for passenger tires and up 7.0% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

PASSENGER TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
PREV YTD	49,317	41,902	139,329	125,385	5,370	4,679	194,015	171,966	153,907	135,694	26,996	24,246
DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
JUNE	4,940	4,244	14,953	13,958	719	635	20,611	18,837	14,883	13,581	30,617	27,877
JULY	2,965	2,507	12,919	12,113	602	554	16,485	15,174	12,492	11,613	30,258	27,777
AUGUST	4,126	3,531	14,777	13,925	858	785	19,761	18,241	14,860	13,627	29,198	26,820
SEPTEMBER	4,784	4,085	14,097	13,273	781	717	19,662	18,076	14,933	13,703	28,125	25,887
OCTOBER	4,896	4,183	14,432	13,581	849	788	20,178	18,552	15,703	14,411	27,444	25,237
NOVEMBER	4,820	4,153	13,105	12,369	726	658	18,651	17,180	14,149	13,130	26,898	24,907
CURR YTD	49,863	42,552	143,253	134,165	8,655	7,736	201,772	184,452	161,228	147,082	26,898	24,907
DECEMBER												
PREV MTH	-1.6	-0.7	-9.2	-8.9	-14.6	-16.5	-7.6	-7.4	-9.9	-8.9	-2.0	-1.3
PREV/CURR	10.9	10.8	3.3	5.4	30.5	38.7	6.1	7.7	3.4	6.9	-0.4	2.7
YTD CHG	1.1	1.6	2.8	7.0	61.2	65.3	4.0	7.3	4.8	8.4	0.1	2.8

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

TRUCK AND BUS TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
PREV YTD	7,264	5,070	31,737	17,351	1,878	1,341	40,879	23,762	32,641	18,534	6,706	4,149
DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,899
MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
JUNE	778	573	3,094	1,786	273	214	4,145	2,573	3,058	1,865	7,359	4,645
JULY	561	406	2,805	1,667	191	149	3,557	2,222	2,530	1,599	7,097	4,542
AUGUST	718	509	3,154	1,866	258	186	4,130	2,560	3,198	2,003	6,866	4,481
SEPTEMBER	772	598	3,021	1,826	283	226	4,076	2,650	3,182	2,020	6,646	4,331
OCTOBER	776	611	3,044	1,864	314	238	4,134	2,713	3,435	2,210	6,630	4,322
NOVEMBER	709	587	2,998	1,873	263	208	3,971	2,669	3,104	2,005	6,536	4,224
CURR YTD	8,135	6,090	31,250	18,479	3,017	2,344	42,403	26,912	34,022	21,112	6,536	4,224
DECEMBER												
PREV MTH	-8.6	-3.9	-1.5	0.5	-16.1	-12.4	-4.0	-1.6	-9.7	-9.3	-1.4	-2.3
PREV/CURR	14.7	31.0	3.3	11.2	37.5	48.8	7.0	17.4	11.8	24.6	-2.5	1.8
YTD CHG	12.0	20.1	-1.5	6.5	60.6	74.7	3.7	13.3	4.2	13.9	-1.1	3.8

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

MOBILE HOME TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	34		6				40		44		81	
FEBRUARY	33		3				36		37		78	
MARCH	61		15				76		35		58	
APRIL	66		9				74		51		40	
MAY	76		8				84		74		40	
JUNE	72		7				79		77		42	
JULY	72		19				91		82		54	
AUGUST	62		10				72		76		66	
SEPTEMBER	72		7				79		67		53	
OCTOBER	77		7				84		83		87	
NOVEMBER	57		11				68		62		92	
PREV YTD	682		102				784		688		92	
DECEMBER	39		5				45		47		95	
PREV TOT	722		107				829		735		95	
JANUARY	39		8				47		39		89	
FEBRUARY	38		5				44		44		88	
MARCH	64						64		62		92	
APRIL	65		5				70		74		106	
MAY	86						86		63		90	
JUNE	84						84		68		86	
JULY	73						74		62		81	
AUGUST	107						107		85		73	
SEPTEMBER	93						93		82		67	
OCTOBER	93						93		75		62	
NOVEMBER	66						66		47		56	
CURR YTD	808		20				827		700		56	
DECEMBER												
PREV MTH	-29.1		20.1		-200.0		-29.0		-37.8		-9.9	
PREV/CURR	15.6		-98.0		200.0		-2.2		-24.1		-39.3	
YTD CHG	18.4		-80.8		-78.1		5.5		1.8		29.0	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

TRACTOR IMPLEMENT TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
MARCH	46	2	220	9	24	1	291	12	267	10	701	27
APRIL	51	3	261	8	20	1	332	12	262	10	645	26
MAY	42	2	226	5	15	1	283	8	248	11	630	29
JUNE	51	4	237	3	19	2	307	9	245	10	590	30
JULY	55	4	235	2	14	1	304	7	234	8	540	31
AUGUST	51	3	224	4	15		289	7	237	6	528	30
SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
PREV YTD	545	32	2,473	65	201	10	3,220	107	2,799	92	599	21
DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
MARCH	66	6	286	12	28	1	380	19	315	15	646	12
APRIL	59	6	261	7	22	1	342	15	305	14	649	12
MAY	63	7	221	6	20	1	304	14	259	12	644	11
JUNE	58	6	215	4	17	1	290	12	274	14	660	14
JULY	53	6	212	4	18	1	284	11	224	11	629	15
AUGUST	66	6	219	4	18	2	303	12	222	13	593	15
SEPTEMBER	77	7	204	4	22	3	303	14	236	14	577	17
OCTOBER	77	7	199	4	20	1	296	13	316	17	594	22
NOVEMBER	70	6	178	7	21	1	269	13	278	16	639	25
CURR YTD	698	65	2,463	69	242	15	3,403	149	2,973	150	639	25
DECEMBER												
PREV MTH	-8.9	-15.1	-10.6	56.9	7.1	-37.1	-9.0	7.6	-12.1	-7.3	7.7	12.9
PREV/CURR	45.0	150.9	-4.2	5.7	-7.1	-25.0	4.8	36.1	11.3	143.6	6.8	16.3
YTD CHG	28.2	104.9	-0.4	5.8	20.1	45.7	5.7	38.9	6.2	62.6	3.9	-43.2

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

INDUSTRIAL AND UTILITY TIRES

	ORIGINAL EQUIPMENT	ORIGINA EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
MARCH	740	1	179	2	25		944	2	829		1,911	28
APRIL	758	1	185	3	24		966	4	768		1,724	17
MAY	694	1	188	1	19		901	2	755	1	1,615	16
JUNE	605		186	2	24	1	815	3	742	1	1,530	15
JULY	337		125	2	25		488	3	517		1,524	15
AUGUST	457		186	2	17		660	2	776		1,545	15
SEPTEMBER	611		164	2	25		800	2	809		1,499	15
OCTOBER	553		240	2	18		811	2	952		1,609	14
NOVEMBER	498		183	1	15		696	1	793		1,651	14
PREV YTD	6,704	4	2,026	20	224	2	8,954	27	8,435	11	1,651	14
DECEMBER	455		163	2	25		643	2	766	1	1,761	16
PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
JANUARY	569		222	2	20		810	3	725	1	1,635	16
FEBRUARY	583		212	2	20		814	2	762		1,539	15
MARCH	666		173	2	36		874	2	816		1,417	14
APRIL	599		156	1	20		775	2	703	1	1,574	6
MAY	560		160	2	18		738	2	785	1	865	5
JUNE	361		191	2	22		574	2	780		1,051	5
JULY	222		116	1	25		364	1	429		1,101	5
AUGUST	330		149	1	28		508	2	585		1,148	4
SEPTEMBER	359		106	2	25		490	2	603		1,251	5
OCTOBER	428		107	2	19		553	2	639		1,306	5
NOVEMBER	388		90	1	19		497	1	592		1,352	5
CURR YTD	5,064	1	1,682	17	251	1	6,997	20	7,418	4	1,352	5
DECEMBER												
PREV MTH	-9.3	-39.7	-15.5	-30.0	2.1	-97.3	-10.1	-35.8	-7.2	-99.8	3.5	-4.3
PREV/CURR	-22.1	-13.6	-50.7	-13.5	29.5	-92.5	-28.6	-16.4	-25.3	-99.4	-18.1	-66.2
YTD CHG	-24.5	-65.5	-17.0	-16.8	11.8	-33.7	-21.9	-25.9	-12.1	-61.7	-23.8	-59.2

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 01/23/89

INNER TUBES

	PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
JANUARY	472	563	1,150	1,009	174	165	184	98
FEBRUARY	487	462	1,106	952	194	162	158	123
MARCH	521	450	1,184	1,028	215	174	152	139
APRIL	465	398	1,173	965	271	210	172	92
MAY	456	390	1,144	929	229	220	154	118
JUNE	559	466	1,403	993	283	254	198	119
JULY	403	311	1,094	736	191	164	146	98
AUGUST	470	600	1,112	1,207	239	364	166	130
SEPTEMBER	600	529	1,364	1,041	295	270	172	112
OCTOBER	589	468	1,380	929	238	216	165	115
NOVEMBER	429	300	1,138	746	200	139	110	97
PREV YTD	5,452	4,936	13,248	10,535	2,530	2,337	1,777	1,242
DECEMBER	437	314	1,072	778	189	134	112	94
PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
JANUARY	443	324	1,105	825	213	187	212	111
FEBRUARY	481	390	1,063	1,027	242	230	154	151
MARCH	548	562	1,186	1,058	257	266	178	136
APRIL	402	477	1,110	837	266	259	179	129
MAY	519	381	1,107	854	262	262	173	149
JUNE	470	274	1,098	764	279	228	195	145
JULY	468	349	1,146	758	261	167	135	138
AUGUST	481	468	1,290	1,015	297	297	153	165
SEPTEMBER	480	378	1,135	982	262	296	152	151
OCTOBER	531	446	1,252	982	239	278	139	116
NOVEMBER	430	292	1,064	612	190	136	103	87
CURR YTD	5,252	4,339	12,556	9,714	2,767	2,605	1,775	1,476
DECEMBER								
PREV MTH	-19.0	-34.6	-15.0	-37.7	-20.6	-50.9	-26.0	-24.8
PREV/CURR	0.1	-2.8	-6.5	-18.0	-5.2	-1.7	-6.4	-10.6
YTD CHG	-3.7	-12.1	-5.2	-7.8	9.4	11.5	-0.1	18.8

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
CUMULATIVE	32,287	3,153	1,484	819	4,002	1,691	1,557	35	596	3,887	1,528	4,542	541
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
June	3,346	203	146	65	399	158	121	3	99	451	160	446	83
July	3,202	178	128	58	368	163	186	3	37	287	305	462	40
August	3,371	196	150	58	314	120	130	3	50	227	379	494	59
September	3,187	215	144	57	316	113	97	4	60	175	273	280	28
October	3,471	301	140	53	344	124	110	3	93	242	213	265	43
November	3,415	235	130	57	359	133	142	2	61	243	307	274	37
CUMULATIVE	34,684	2,223	1,578	613	3,891	1,496	1,676	31	937	3,987	2,490	4,683	708
December													
% Change Month	-1.6	-21.9	-7.1	7.5	4.4	7.3	29.1	-33.3	-34.4	.4	44.1	3.4	-14.0
% Change Month 88 vs. 87	21.3	19.3	-5.8	16.3	3.5	-3.6	8.4	.0	24.5	-43.8	149.6	-36.0	-28.8
% Change Cumulative	7.4	-29.5	6.3	-25.2	-2.8	-11.5	7.6	-11.4	57.2	2.6	63.0	3.1	30.9

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

This report is available on a subscription basis only, and it cannot be reproduced without prior consent of the Rubber Manufacturers Associat
questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street, N.W.; Washington, D.C
Telephone: (202) 682-4860.

A8810-1
3/7/89

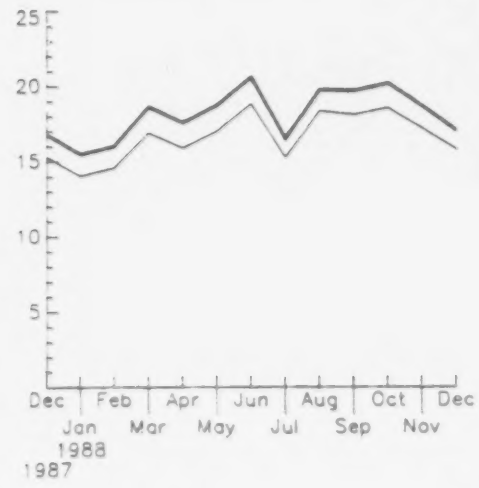
RMA Industry Report

RUBBER MANUFACTURERS ASSOCIATION • 1400 K STREET, N.W. • WASHINGTON, D.C. 20005 • (202) 682-4860

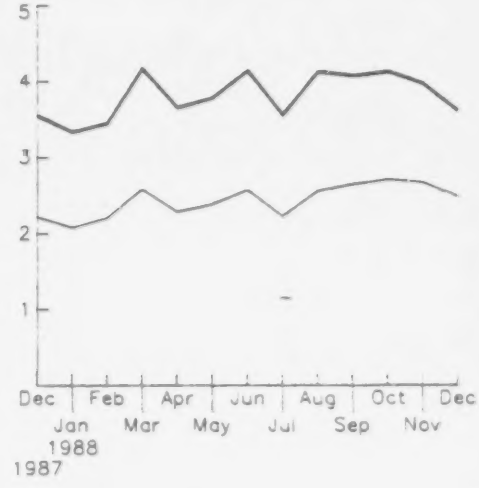
MONTHLY TIRE REPORT — DECEMBER 1988

This report was compiled by the Rubber Manufacturers Association (RMA) and presents a monthly compilation of tire and inner tube shipments, production, exports, imports, and inventory. The actual industry data reported is adjusted to include estimates for non-participating companies. Figures presented represent 100% of the domestic U.S. tire market.

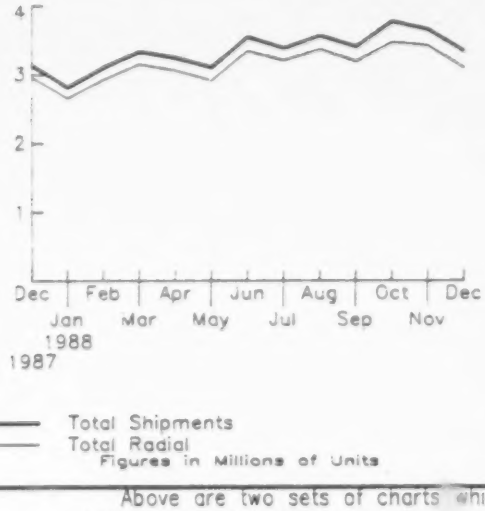
PASSENGER TIRE SHIPMENTS



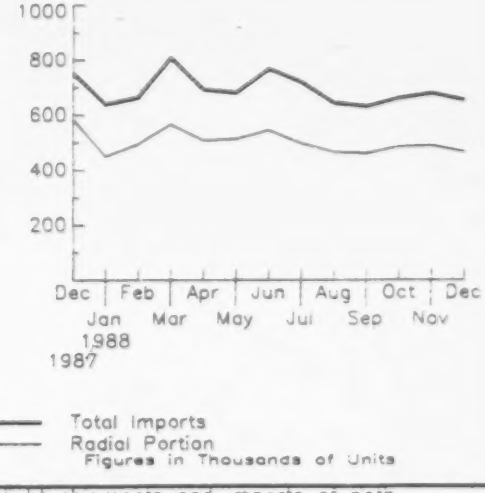
TRUCK & BUS TIRE SHIPMENTS



PASSENGER TIRE IMPORTS



TRUCK & BUS TIRE IMPORTS



Above are two sets of charts which highlight shipments and imports of both passenger and truck & bus tires.

The shipment charts show monthly volumes for total shipments and radial shipments for thirteen months running. The vertical distance between the two lines in each graph is the non-radial portion of the total shipments. December 1988 total shipments are up 1.4% from December 1987 for passenger tires and up 1.9% for truck and bus tires. The import charts show volume of imports of both passenger and truck and bus tires, as well as the portion of imports which are radial tires. From 1982 to 1987, passenger tire imports increased 127.7%, and truck and bus tire imports grew by 137.3%.

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

PASSENGER TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION — RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987												
JANUARY	4,838	4,081	10,494	9,327	369	316	15,701	13,724	13,940	12,074	29,387	25,778
FEBRUARY	4,889	4,138	10,001	8,825	498	423	15,388	13,386	13,896	12,047	31,237	27,432
MARCH	5,321	4,520	11,470	10,173	418	367	17,209	15,060	14,779	12,761	32,761	28,803
APRIL	4,699	3,956	12,195	10,789	427	380	17,321	15,125	13,911	12,091	32,173	28,398
MAY	4,687	3,955	12,218	10,871	470	406	17,375	15,232	13,484	11,861	32,556	28,834
JUNE	4,472	3,800	14,703	13,242	533	454	19,707	17,496	13,709	12,049	30,503	27,036
JULY	2,987	2,572	13,483	12,206	507	446	16,977	15,224	13,011	11,556	30,256	26,777
AUGUST	3,709	3,168	12,701	11,427	481	434	16,891	15,030	13,877	12,466	30,477	27,175
SEPTEMBER	4,328	3,698	14,339	13,019	541	477	19,209	17,193	14,017	12,497	29,217	26,164
OCTOBER	5,038	4,267	15,045	13,771	570	502	20,654	18,540	15,605	14,008	27,665	24,882
NOVEMBER	4,348	3,746	12,682	11,735	556	474	17,586	15,956	13,678	12,285	26,996	24,246
DECEMBER	3,597	3,086	12,563	11,663	618	536	16,777	15,285	13,615	12,131	27,432	24,507
PREV YTD	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
PREV TOT	52,913	44,988	151,892	137,048	5,987	5,215	210,792	187,251	167,522	147,825	27,432	24,507
1988												
JANUARY	4,040	3,428	10,648	9,920	775	672	15,463	14,019	14,386	12,994	29,893	26,835
FEBRUARY	4,335	3,700	10,789	10,082	896	802	16,021	14,584	14,893	13,427	32,239	28,982
MARCH	4,937	4,209	12,746	11,857	954	834	18,637	16,900	15,872	14,311	33,008	29,747
APRIL	4,823	4,096	11,925	11,105	801	671	17,549	15,872	14,618	13,198	33,420	30,277
MAY	5,197	4,415	12,862	11,983	695	621	18,754	17,019	14,438	13,086	32,514	29,515
JUNE	4,940	4,244	14,953	13,958	719	635	20,611	18,837	14,883	13,581	30,617	27,877
JULY	2,965	2,507	12,919	12,113	602	554	16,485	15,174	12,492	11,613	30,258	27,777
AUGUST	4,126	3,531	14,777	13,925	858	785	19,761	18,241	14,860	13,627	29,198	26,820
SEPTEMBER	4,784	4,085	14,097	13,273	781	717	19,662	18,076	14,933	13,703	28,125	25,887
OCTOBER	4,896	4,183	14,432	13,581	849	788	20,178	18,552	15,703	14,411	27,444	25,237
NOVEMBER	4,820	4,153	13,105	12,369	726	658	18,651	17,180	14,149	13,130	26,898	24,907
DECEMBER	4,268	3,708	12,039	11,413	709	648	17,016	15,769	13,114	12,120	26,618	24,682
CURR YTD	54,131	46,260	155,292	145,578	9,365	8,383	218,788	200,221	174,341	159,202	26,618	24,682
PREV MTH	-11.5	-10.7	-8.1	-7.7	-2.2	-1.6	-8.8	-8.2	-7.3	-7.7	-1.0	-0.9
PREV/CURR	18.7	20.2	-4.2	-2.1	14.9	20.9	1.4	3.2	-3.7	-0.1	-3.0	0.7
YTD CHG	2.3	2.8	2.2	6.2	56.4	60.8	3.8	6.9	4.1	7.7	-0.1	2.7

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

TRUCK AND BUS TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987												
JANUARY	643	453	2,387	1,242	121	86	3,151	1,781	2,939	1,604	6,936	3,996
FEBRUARY	604	428	2,414	1,234	159	112	3,177	1,774	2,697	1,418	7,428	4,327
MARCH	698	491	2,665	1,398	167	118	3,530	2,007	2,954	1,577	7,912	4,614
APRIL	709	496	2,829	1,512	163	109	3,701	2,117	2,769	1,521	7,789	4,583
MAY	713	501	2,731	1,463	162	111	3,606	2,076	3,498	2,304	7,756	4,603
JUNE	673	450	3,281	1,772	168	124	4,122	2,346	2,839	1,607	7,369	4,449
JULY	618	420	3,048	1,733	169	117	3,834	2,269	2,785	1,559	7,088	4,311
AUGUST	607	419	2,981	1,591	176	130	3,765	2,140	2,846	1,612	7,024	4,385
SEPTEMBER	641	444	3,178	1,767	190	141	4,009	2,351	3,187	1,826	7,017	4,437
OCTOBER	740	521	3,322	1,955	211	152	4,272	2,628	3,351	1,897	6,874	4,270
NOVEMBER	618	448	2,902	1,684	192	140	3,712	2,273	2,777	1,608	6,706	4,149
DECEMBER	580	425	2,778	1,649	191	142	3,549	2,216	2,813	1,642	6,906	4,314
PREV YTD	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
PREV TOT	7,845	5,495	34,514	19,000	2,069	1,483	44,428	25,977	35,455	20,176	6,906	4,314
1988												
JANUARY	673	485	2,413	1,400	246	189	3,332	2,075	2,959	1,770	7,154	4,412
FEBRUARY	730	538	2,454	1,468	267	200	3,451	2,206	3,134	1,879	7,665	4,699
MARCH	822	609	2,994	1,677	355	294	4,171	2,580	3,433	2,060	7,729	4,719
APRIL	783	575	2,576	1,476	292	228	3,651	2,280	3,024	1,875	7,729	4,784
MAY	813	597	2,697	1,576	275	211	3,785	2,385	2,965	1,827	7,645	4,781
JUNE	778	573	3,094	1,786	273	214	4,145	2,573	3,058	1,865	7,359	4,645
JULY	561	406	2,805	1,667	191	149	3,557	2,222	2,530	1,599	7,097	4,542
AUGUST	718	509	3,154	1,866	258	186	4,130	2,560	3,198	2,003	6,866	4,481
SEPTEMBER	772	598	3,021	1,826	283	226	4,076	2,650	3,182	2,020	6,646	4,331
OCTOBER	776	611	3,044	1,864	314	238	4,134	2,713	3,435	2,210	6,630	4,322
NOVEMBER	709	587	2,998	1,873	263	208	3,971	2,669	3,104	2,005	6,536	4,224
DECEMBER	666	550	2,667	1,730	284	207	3,617	2,486	2,988	1,943	6,573	4,135
CURR YTD	8,801	6,639	33,918	20,208	3,301	2,550	46,020	29,398	37,010	23,055	6,573	4,135
PREV MTH	-6.1	-6.4	-11.0	-7.7	7.8	-0.7	-8.9	-6.9	-3.7	-3.1	0.6	-2.1
PREV/CURR	14.7	29.3	-4.0	4.9	48.5	46.0	1.9	12.2	6.2	18.3	-4.8	-4.2
YTD CHG	12.2	20.8	-1.7	6.4	59.5	72.0	3.6	13.2	4.4	14.3	-1.4	3.1

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

MOBILE HOME TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987												
JANUARY	34		6				40		44		81	
FEBRUARY	33		3				36		37		78	
MARCH	61		15				76		35		58	
APRIL	66		9				74		51		40	
MAY	76		8				84		74		40	
JUNE	72		7				79		77		42	
JULY	72		19				91		82		54	
AUGUST	62		10				72		76		66	
SEPTEMBER	72		7				79		67		53	
OCTOBER	77		7				84		83		87	
NOVEMBER	57		11				68		62		92	
DECEMBER	39		5				45		47		95	
PREV YTD	722		107				829		735		95	
PREV TOT	722		107				829		735		95	
1988												
JANUARY	39		8				47		39		89	
FEBRUARY	38		5				44		44		88	
MARCH	64						64		62		92	
APRIL	65		5				70		74		106	
MAY	86						86		63		90	
JUNE	84						84		68		86	
JULY	73						74		62		81	
AUGUST	107						107		85		73	
SEPTEMBER	93						93		82		67	
OCTOBER	93						93		75		62	
NOVEMBER	66						66		47		56	
DECEMBER	48						48		44		64	
CURR YTD	855		20				875		745		64	
PREV MTH	-27.7		-81.8		-100.0		-27.9		-5.0		14.9	
PREV/CURR	21.2		-99.3				6.6		-6.4		-32.4	
YTD CHG	18.6		-81.7		-78.1		5.6		1.3		21.6	

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

TRACTOR IMPLEMENT TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987												
JANUARY	41	1	202	8	18	1	261	10	253	7	732	32
FEBRUARY	46	3	223	8	18	1	287	12	246	8	706	29
MARCH	46	2	220	9	24	1	291	12	267	10	701	27
APRIL	51	3	261	8	20	1	332	12	262	10	645	26
MAY	42	2	226	5	15	1	283	8	248	11	630	29
JUNE	51	4	237	3	19	2	307	9	245	10	590	30
JULY	55	4	235	2	14	1	304	7	234	8	540	31
AUGUST	51	3	224	4	15		289	7	237	6	528	30
SEPTEMBER	57	3	247	6	19	1	322	10	264	8	509	27
OCTOBER	58	4	211	6	18	1	287	11	296	8	553	24
NOVEMBER	48	2	186	6	23	1	257	10	249	7	599	21
DECEMBER	50	3	185	8	25	1	260	12	255	9	640	18
PREV YTD	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
PREV TOT	595	34	2,658	73	226	11	3,480	119	3,054	101	640	18
1988												
JANUARY	58	5	215	7	30	1	303	14	275	10	696	15
FEBRUARY	51	3	253	10	26	1	330	14	271	13	669	15
MARCH	66	6	286	12	28	1	380	19	315	15	646	12
APRIL	59	6	261	7	22	1	342	15	305	14	649	12
MAY	63	7	221	6	20	1	304	14	259	12	644	11
JUNE	58	6	215	4	17	1	290	12	274	14	660	14
JULY	53	6	212	4	18	1	284	11	224	11	629	15
AUGUST	66	6	219	4	18	2	303	12	222	13	593	15
SEPTEMBER	77	7	204	4	22	3	303	14	236	14	577	17
OCTOBER	77	7	199	4	20	1	296	13	316	17	594	22
NOVEMBER	70	6	178	7	21	1	269	13	278	16	639	25
DECEMBER	55	6	199	9	25	2	279	16	300	17	678	26
CURR YTD	753	71	2,662	78	267	17	3,682	166	3,273	168	678	26
PREV MTH	-21.7	-2.6	11.6	26.6	19.5	153.7	3.6	22.1	8.0	7.7	6.1	4.3
PREV/CURR	9.0	107.7	7.6	6.2	1.0	133.9	7.3	39.6	17.5	101.6	6.0	43.4
YTD CHG	26.5	105.2	0.1	5.8	18.0	52.8	5.8	39.0	7.2	65.9	4.1	-38.4

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

INDUSTRIAL AND UTILITY TIRES

	ORIGINAL EQUIPMENT	ORIGINAL EQUIPMENT RADIAL	REPLACE-MENT	REPLACE-MENT RADIAL	EXPORT	EXPORT RADIAL	TOTAL	TOTAL RADIAL	PRODUC-TION	PRODUC-TION RADIAL	ENDING INVENTORY	ENDING INVENTORY RADIAL
1987												
JANUARY	736	1	215	1	17		967	2	725	3	2,079	29
FEBRUARY	715	1	175	2	15		905	3	768	5	1,998	30
MARCH	740	1	179	2	25		944	2	829		1,911	28
APRIL	758	1	185	3	24		966	4	768		1,724	17
MAY	694	1	188	1	19		901	2	755	1	1,615	16
JUNE	605		186	2	24	1	815	3	742	1	1,530	15
JULY	337		125	2	25		488	3	517		1,524	15
AUGUST	457		186	2	17		660	2	776		1,545	15
SEPTEMBER	611		164	2	25		800	2	809		1,499	15
OCTOBER	553		240	2	18		811	2	952		1,609	14
NOVEMBER	498		183	1	15		696	1	793		1,651	14
DECEMBER	455		163	2	25		643	2	766	1	1,761	16
PREV YTD	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
PREV TOT	7,160	4	2,189	22	249	2	9,598	29	9,202	12	1,761	16
1988												
JANUARY	569		222	2	20		810	3	725	1	1,635	16
FEBRUARY	583		212	2	20		814	2	762		1,539	15
MARCH	666		173	2	36		874	2	816		1,417	14
APRIL	599		156	1	20		775	2	703	1	1,574	6
MAY	560		160	2	18		738	2	785	1	865	5
JUNE	361		191	2	22		574	2	780		1,051	5
JULY	222		116	1	25		364	1	429		1,101	5
AUGUST	330		149	1	28		508	2	585		1,148	4
SEPTEMBER	359		106	2	25		490	2	603		1,251	5
OCTOBER	428		107	2	19		553	2	639		1,306	5
NOVEMBER	388		90	1	19		497	1	592		1,352	5
DECEMBER	475		77	1	13		566	1	490		1,226	5
CURR YTD	5,540	2	1,759	18	264	1	7,563	21	7,908	4	1,226	5
PREV MTH	22.6	573.7	-15.0	0.4	-29.1	475.0	13.8	20.3	-17.2	100.0	-9.3	-0.9
PREV/CURR	4.4	80.3	-53.0	-45.6	-45.6	-87.2	-12.1	-41.4	-36.0	-99.9	-30.4	-71.2
YTD CHG	-22.6	-60.8	-19.6	-19.5	6.1	-37.9	-21.2	-27.2	-14.1	-66.0	-24.4	-60.0

RMA MONTHLY TIRE & TUBE SHIPMENTS & PRODUCTION REPORT
(FIGURES IN THOUSANDS OF UNITS)

ISSUED: 02/23/89

INNER TUBES

	PASSENGER/ MOTORCYCLE		TRUCK & BUS		TRACTOR IMPLEMENT		INDUSTRIAL/ UTILITY	
	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN	SHIPMENTS	PRODUCTN
1987								
JANUARY	472	563	1,150	1,009	174	165	184	98
FEBRUARY	487	462	1,106	952	194	162	158	123
MARCH	521	450	1,184	1,028	215	174	152	139
APRIL	465	398	1,173	965	271	210	172	92
MAY	456	390	1,144	929	229	220	154	118
JUNE	559	466	1,403	993	283	254	198	119
JULY	403	311	1,094	736	191	164	146	98
AUGUST	470	600	1,112	1,207	239	364	166	130
SEPTEMBER	600	529	1,364	1,041	295	270	172	112
OCTOBER	589	468	1,330	929	238	216	165	115
NOVEMBER	429	300	1,138	746	200	139	110	97
DECEMBER	437	314	1,072	778	189	134	112	94
PREV YTD	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
PREV TOT	5,889	5,250	14,320	11,313	2,718	2,472	1,889	1,336
1988								
JANUARY	443	324	1,105	825	213	187	212	111
FEBRUARY	481	390	1,063	1,027	242	230	154	151
MARCH	548	562	1,186	1,058	257	266	178	136
APRIL	402	477	1,110	837	266	259	179	129
MAY	519	381	1,107	854	262	262	173	149
JUNE	470	274	1,098	764	279	228	195	145
JULY	468	349	1,146	758	261	167	135	138
AUGUST	481	468	1,290	1,015	297	297	153	165
SEPTEMBER	480	378	1,135	982	262	296	152	151
OCTOBER	531	446	1,252	982	239	278	139	116
NOVEMBER	430	292	1,064	612	190	136	103	87
DECEMBER	305	315	841	710	140	175	78	71
CURR YTD	5,557	4,654	13,396	10,423	2,907	2,780	1,853	1,547
PREV MTH	-29.1	7.9	-21.0	15.9	-26.1	28.1	-24.6	-18.2
PREV/CURR	-30.4	0.3	-21.6	-8.8	-25.7	30.0	-30.3	-24.2
YTD CHG	-5.6	-11.4	-6.5	-7.9	7.0	12.5	-1.9	15.8

IMPORTS FOR CONSUMPTION OF TIRE AND INNER TUBES -- SOURCE: U.S. Department of Commerce, Report No. IM-145
(Units are rounded and expressed in thousands)

	TIRES									TUBES			
TSUSA NUMBERS:	772.5109	772.5112	772.5127	772.5129	772.5136	772.5138	772.5141	772.4500 772.4600	772.5000	772.6005	772.6010	772.6025	772.5900
	Pass. Radial	Pass. All Other	Light Truck Radial	Light Truck All Other	All Other Truck Radial	All Other Truck	Motor-cycle	Airplane	Farm Equip.	Pass. Tubes	Truck & Bus Tubes	Tire NSPF Tubes	Farm Tubes
1987													
January	2,625	247	106	56	298	168	187	2	28	301	140	328	29
February	2,440	320	146	121	323	152	169	6	35	416	137	413	70
March	3,345	334	161	107	424	173	166	2	43	292	155	441	45
April	2,961	318	167	112	352	167	143	3	50	285	136	422	32
May	3,095	385	169	76	339	159	160	6	52	364	169	388	34
June	3,345	317	141	89	395	192	168	3	81	253	153	407	71
July	3,266	290	134	53	433	123	105	2	49	255	157	439	48
August	2,793	265	105	64	387	148	124	2	87	545	144	415	78
September	2,734	236	100	50	358	146	84	2	71	284	93	455	22
October	2,866	243	117	41	346	125	120	3	51	461	122	406	59
November	2,816	197	138	49	347	138	131	2	49	432	123	428	52
December	2,956	178	195	41	389	127	150	2	95	459	187	397	130
CUMULATIVE	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
ANNUAL	35,242	3,331	1,679	860	4,391	1,817	1,707	37	691	4,346	1,716	4,939	671
1988													
January	2,653	154	129	51	320	138	195	3	80	415	177	428	64
February	2,923	180	125	53	369	117	122	2	79	469	169	483	101
March	3,151	185	168	55	398	188	170	2	181	547	253	491	84
April	3,059	183	159	56	348	128	202	2	70	456	139	616	80
May	2,907	194	159	51	354	115	201	3	127	474	115	445	88
June	3,346	203	146	65	399	158	121	3	99	451	160	446	83
July	3,202	178	128	58	368	163	186	3	37	287	305	462	40
August	3,371	196	150	58	314	120	130	3	50	227	379	494	59
September	3,187	215	144	57	316	113	97	4	60	175	273	280	28
October	3,471	301	140	53	344	124	110	3	93	242	213	265	43
November	3,415	235	130	57	359	133	142	2	61	243	307	274	37
December	3,090	241	138	56	327	132	186	2	30	228	280	563	80
CUMULATIVE	37,774	2,464	1,716	669	4,217	1,628	1,862	33	967	4,215	2,770	5,245	787
% Change Month	-9.5	2.6	6.2	-1.8	-8.9	-.8	31.0	.0	-50.8	-6.2	-8.8	105.5	116.2
% Change Month 88 vs. 87	4.5	35.4	-29.2	36.6	-15.9	3.9	24.0	.0	-68.4	-50.3	49.7	41.8	-38.5
% Change Cumulative	7.2	-26.0	2.2	-22.2	-4.0	-10.4	9.1	-10.8	39.9	-3.0	61.4	6.2	17.3

Figures may not add due to rounding. For further details on Imports please refer to RMA 500 Report.

RUBBER MANUFACTURERS ASSOCIATION'S MONTHLY TIRE AND INNER TUBES REPORT

The procedures used by the Management Information Services (MIS) of RMA to compile this data are reviewed at least annually by the Statistical Committee. Committee members represent tire producing companies, both domestic and foreign, which participate in the submission monthly tire data to RMA for compilation into an aggregate report. The categories selected for presentation are based upon those develop Committee and in many instances upon classifications listed in the Tire and Rim Association's Yearbook.

Descriptions for the categories used in this report:

PASSENGER TIRES: all sizes and types of tires designed for standard highway passenger car service. It also includes off-highway passenge tires such as racing car and dune buggy tires.

TRUCK & BUS TIRES: all sizes and types of tires which are designated as light, medium, dual, heavy, and large off-the-road truck tires.

MOBILE HOME TIRES: all tires designed solely for use in the transportation of permanent or temporary buildings, with wheel attached, from fa site or site to site.

TRACTOR IMPLEMENT TIRES: steering and drive wheel tires used on tractors in field service or harvesting equipment. This includes combines, rice field tires, log-skidder tires, and those used on farm implement vehicles.

INDUSTRIAL & UTILITY TIRES: all tires used for slow speed industrial vehicles and counterbalanced fork-lift trucks, recreational, boat, sports and special type trailer tires, as well as tires used on mining cars, lumber yard straddle trucks, wheel barrows, and garden tracto category includes swamp buggy, terra, snowmobile, mini-bike, and Go-Kart tires.

INNER TUBES: all inner tubes regardless of the type of tire for which they were manufactured. Only shipments are included in this report.

Descriptions for the various column headings used in this report:

Original Equipment: shipments to vehicle manufacturers for their original equipment.

Replacement: shipments destined for the domestic replacement market.

Export: shipments to points outside the United States by the participants, and as such, will differ from the export figures released by government.

Production: units produced in domestic factories for the reporting period.

Inventory: stocks as of the last day of the reporting period covered.

Imports:

Data for imports are shown separately on this report; however, those of participating companies are reflected in all of the columns with the of production. Import data is from the Bureau of Census Report IM-145 derived from data from the Department of Commerce. The import data by the seven digit TSUSA number (Tariff Schedules of the United States) and reflects both government and non-goverment imports from foreign into U.S. Customs territories.

The participants in this report include:

Armstrong Rubber Company, The
Bridgestone U.S.A., Inc.
Bridgestone Tire Manufacturing Inc., (Tennessee)
Carlisle Tire & Rubber Company, Carlisle Corporation
Continental Tire Corporation
Cooper Tire & Rubber Company
Cupples Company, Manufacturers
Denman Rubber Manufacturing Company
Dunlop Tire Corporation
Firestone Tire & Rubber Company, The
General Tire, Division of GenCorp
Goodyear Tire & Rubber Company, The
Hankook Tire America Corporation
Kelly-Springfield Tire Company
McCreary Tire & Rubber Company
Michelin Tire Corporation
Mohawk Rubber Company
Robbins Tire & Rubber Company, Inc.
Sumitomo Corporation of America
Toyo Tire (USA) Corporation
Uniroyal-Goodrich Tire Company, The
Yokohama Tire Corporation

This report is available on a subscription basis only, and it cannot be reproduced without prior consent of the Rubber Manufacturers Associat
questions regarding items on this report should be directed to Management Information Services of RMA; 1400 K Street, N.W.; Washington, D.C
Telephone: (202) 682-4860.